

WHAT IS CLAIMED IS:

1. An information reproducing system having a track format in which information for an n-times speed reproduction (wherein n indicates an integer) are arranged in advance at predetermined positions on a recording track of a recording medium, comprising:

control signal reproducing means for reproducing a control signal indicating the positional relation of the track recorded in said recording medium;

a rotary drum including a head for reproducing data signals from said recording medium;

drum phase signal outputting means for outputting a signal indicating the rotational phase of said rotary drum;

head dislocation detecting means for determining, after a head scanning portion to be reproduced by said head at the n-times speed reproduction and the n-times speed reproduction were set, a dislocation from the track position to be reproduced; and

phase control means for controlling the phase relation between the output of said control signal reproducing means and the output of said drum phase signal outputting means, on the basis of the dislocation determined by said head dislocation detecting means.

2. An information reproducing system of Claim 1, wherein said head dislocation detecting means

determines the dislocation from the recording position, at which the recording data to be reproduced at the n-times speed reproduction are recorded, by comparing:

a SYNC block signal indicating the track number, in which the recording data reproduced at the n-times speed reproduction are recorded, with a SYNC block number indicating the position in the track; and by comparing:

the track number of the recorded data to be reproduced at the n-times speed reproduction with the SYNC block number.

3. An information reproducing system of Claim 1,

wherein said head dislocation detecting means determines the dislocation of such data for the n-times speed reproduction of the recorded data reproduced at the n-times speed reproduction as are recorded at a predetermined position of the recording track, and the track number, at which the recording data of the same SYNC block are recorded.

4. An information reproducing system of Claim 1, further comprising:

control means for keeping the phase relation between the CTL signal and the output signal from said drum phase signal outputting means,

wherein said head dislocation detecting means determines the head dislocation from the video data which are reproduced while being controlled by said control means.

5. An information reproducing system having a track format

in which information for an n-times speed reproduction (wherein n indicates an integer) are to be arranged in advance at predetermined positions on a recording track of a recording medium, comprising:

control signal recording/reproducing means for recording/reproducing a control signal indicating the positional relation of the track to be recorded in said recording medium;

a rotary drum including a pair of heads for recording and reproducing data signals in and from said recording medium;

drum phase signal outputting means for outputting a signal indicating the rotational phase of said rotary drum;

tracking information generating means for generating information on the dislocation of another track with respect to a track in which the recording data for the n-times speed reproduction to be reproduced at first at the n-times speed reproduction are recorded;

recording/reproducing means for recording and reproducing video data and for recording and reproducing the information of individual tracks, as generated by said tracking information generating means, in and from the individual tracks; and

phase control means for controlling the phase relation between the output of said control signal reproducing means and the output of said drum phase signal outputting means, at

the n-times speed reproduction on the basis of the dislocation recorded by said recording/reproducing means.

6. An information reproducing system of Claim 5, further comprising:

control means for keeping the phase relation between the CTL signal and the output signal from said drum phase signal outputting means,

wherein said phase control means controls the phase relation between the output of said control signal recording/reproducing means and the output of said drum phase signal outputting means, on the basis of the head dislocation which is recorded together with the reproduced video data, while being controlled by said control means.

7. An information reproducing method having a track format in which information for an n-times speed reproduction (wherein n indicates an integer) are to be arranged in advance at predetermined positions on a recording track of a recording medium,

wherein, on the basis of the dislocation between the track position to be reproduced by a head at the n-times speed reproduction and the track position to be reproduced after the n-times speed reproduction was set, the n-times speed reproduction is performed by controlling the phase relation between a control signal indicating the positional relation of the recording track and a drum phase signal indicating the

phase of a rotary drum.